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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/595,324	04/07/2006	Young-Jin Hyun	2017-077	7492

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IPLA P.A.  
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17TH FLOOR  
LOS ANGELES, CA 90010

EXAMINER
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ZARROLI, MICHAEL C

ART UNIT	PAPER NUMBER
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2839

MAIL DATE	DELIVERY MODE
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12/24/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/595,324	<b>Applicant(s)</b> HYUN, YOUNG-JIN	
	<b>Examiner</b> Michael C. Zarroli	<b>Art Unit</b> 2839	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 07 April 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 April 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>4/7/06</u> .  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Specification*

1. The abstract of the disclosure is objected to because of the implied language and the language alleging benefits. Correction is required. See MPEP § 608.01(b).

### *Drawings*

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the **“auxiliary guide groove” formed in the bearing** must be shown or the feature(s) canceled from claim 3. **Figure 4 shows the arcuate guide groove in the auxiliary casing.** No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the

several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR

1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action.

The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 1-7 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1 how can the stator rotate the shaft? Wouldn't the stator rotate the rotor?

Antecedent problem in claim 3 (see also drawing objection above) with "the auxiliary bearing." Examiner will interpret the auxiliary bearings to be the same as the "bearings" recited in claim 1.

***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-5, 7 (as best understood) rejected under 35 U.S.C. 102(b) as being clearly anticipated by Yamamoto et al (US4549105).

Yamamoto discloses fig. 3 a wire protection apparatus for a high frequency motor including a stator 2, a shaft 8 installed in an inner hollow section of the stator fig. 3 so as to be rotated by means of the stator, and a plurality of bearings 9 supporting both ends of the shaft in order to assist rotation of the shaft, the wire protection apparatus (fig. 8 right side) comprising: a main casing 4 partially surrounding the stator, the shaft and bearings and being formed at one side thereof with a wire path 6e, 4a for allowing electric wires 15, 13 of the stator to pass through the main casing fig. 3; and a wire protection member 14 having a tubular structure fig. 6 for allowing electric wires to pass through the wire protection member fig. 3 and being coupled to the wire path of the main casing (unnumbered fig. 3 proximate 6e), wherein electric wires 13 extending from the stator are aligned in such a manner

fig. 8 that the electric wires are withdrawn to an exterior (unnumbered proximate 6d fig. 3) without being interrupted by an auxiliary casing 6 detachably coupled 6f to one side of the main casing as to enable a worker to exchange the bearings with new ones (6 can be removed without impacting/disassembling 14).

Claim 2 Yamamoto discloses that the electric wires extending from the stator are surrounded by a clad (15 is a clad around wiring), thereby forming a clad cable 15, and the clad cable extends from the wire path of the main casing or a part of the wire protection member to an exterior fig. 3.

Claim 3 Yamamoto discloses that the auxiliary casing 6d is detachably coupled 6f to one side of the main casing fig. 8 as to enable a worker to exchange the bearings 9 with new ones and an arcuate guide groove 6e is formed at an outer peripheral portion of the auxiliary bearing fig. 8 so as to allow the wire protection member 14 to pass through the auxiliary casing.

Claim 4 Yamamoto discloses that the electric wires extend from the stator (fig. 3 13 extends from 2).

Claim 5 Yamamoto discloses that a power supply connector 14 is coupled to exposed ends of the electric wires 12a surrounded by the clad cable fig. 8.

Claim 7 Yamamoto discloses that a ground wire 28 connection ring 14a is installed in the wire path fig. 8 coupled with the wire protection member.

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claim 6 (as best understood) rejected under 35 U.S.C. 103(a) as being unpatentable over Yamamoto et al as applied to claim 1 above, and further in view of Tischer et al.

Yamamoto does not disclose that the wire protection member is screw coupled to the wire path.

Tischer discloses a screw coupled wire protection member into a wire path fig. 2.

At the time the invention was made it would have been obvious to one of ordinary skill in the art to modify the mounting device of the wire protection member of Yamamoto to be screw coupled as taught by Tischer. The claim would have been obvious because the technique for improving a particular class of devices was part of the ordinary capabilities of a person of ordinary skill in the art, in view of the teaching of the technique for improvement in other situations.

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Zarroli whose telephone number is 571-272-2101. The examiner can normally be reached on 8:30 to 4:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, T.C. Patel can be reached on (571) 272-2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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/Michael C. Zarroli/  
Primary Examiner, Art Unit  
2839

/M. C. Z./  
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